

# Answer to the Reviewer's Questions

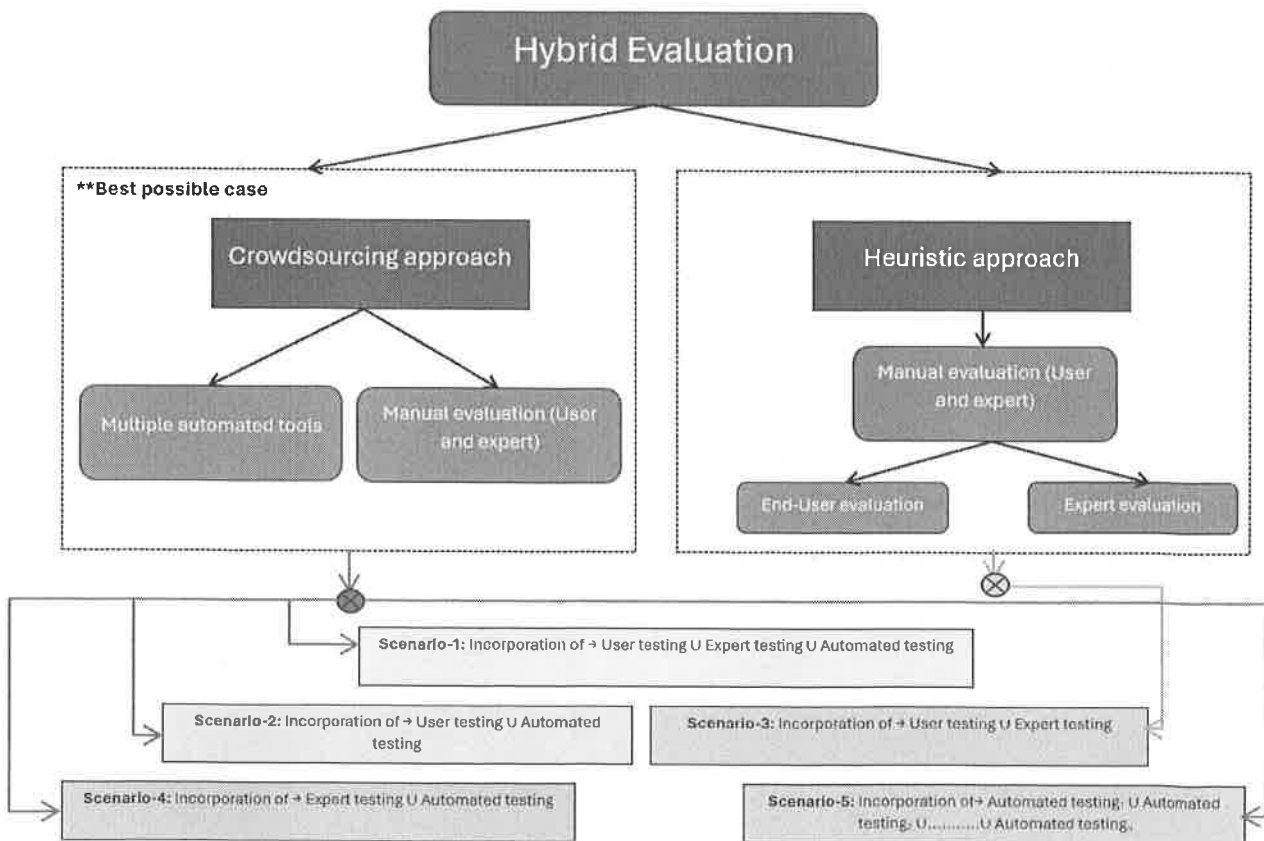
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Question-1. How would you reconcile the seeming contradiction between the use of the term “crowdsourcing-based approach” to refer to hybrid approaches and the common interpretation of the word “crowdsourcing” as simply referring to the involvement of large groups of users? How would you reconcile the seeming contradiction between your description of heuristic methods as ones that “generally enable only human inspection” and their categorization as hybrid methods? Are these contradictions simply a reflection of how these terms are used in the literature (e.g., crowdsourcing hasn't been used without some automation in the web accessibility evaluation context) or should the definitions be further refined?

**Answer-1:** Thank you for your valuable question. Regarding the first part of the question, the word “crowdsourcing” not only refers to the involvement of large groups of users but also refers to the involvement of multiple resources or sources together with different groups of users.

Regarding the second part of the question, the definition is derived from the existing literature [1] [2] [3] [4] [5] [6] that clearly distinguishes the foundation of the crowdsourcing approach, which involves automated tools, and the foundation of the heuristic approach is the manual evaluation in different ways.

Process of integration of multiple automated and/or different ways of manual evaluation (user/expert)



**Question-2. When faced with a brand new webpage, which specific approach or what combination of approaches would you recommend using, since you have proposed several different approaches (integrated approach, variable magnitude approach, machine learning-based approach and WCAEE)? Can these approaches be used in combination, and in what order or according to what workflow would you suggest they be used? If not, then how would you recommend deciding which approach(es) to use?**

**Answer-2:** Thank you for your question.

**If the organisation is large enough and has sufficient time to perform the evaluation,** I would suggest using all of the proposed approaches (integrated approach, variable magnitude approach, machine learning-based approach) to make the evaluation results more effective.

**If the organisation is not large enough and has sufficient time to perform the evaluation,** I would suggest using different criteria, as each one of them has its benefits. For example, if the organization has available end-users, then I would recommend using the integrated approach. Besides, if the organization struggles to manage end-users and doesn't want to struggle with dataset pre-processing, then I would recommend using the variable magnitude approach. In contrast, if the organization struggles to manage end-users but has no issues with dataset preparation, then I would recommend using the machine learning-based approach.

**If the organisation is not large enough or may be large enough but has limited time to perform the evaluation,** I would suggest the WCAEE tool, as it is an automated tool that provides faster results.

At the end, I would like to thank you for all your effort, valuable suggestions, insightful opinions, feedback, and consideration that helped me improve my dissertation. Thank you.

## References

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